

## IN THE SPECIFICATION

Page 1, Lines 2-3, is amended as provided in the substitute paragraph as follows:

1           This patent application is a continuation-in-part patent application of copending U.S. Patent  
2           Application, Serial Number 10/219,656, filed August 14, 2002[.], now Patent No. 6,719,716.

Page 12, Lines 9-20, and Page 13, Lines 1-3, are amended as provided in the substitute paragraph as follows:

1           Preferably, when the cover 14 is in the closed position, the ultraviolet light source 57 is  
2           aligned parallel to and adjacent to the cuvette 32 to enable a consistent and uniform irradiation of  
3           blood, from the opposite side of the cuvette 32 to the ultraviolet light source 56, when the blood  
4           irradiation apparatus 10 is in use. The ultraviolet light source 57 is calibrated to different light  
5           transmission band widths. For example, the ultraviolet light source 57 is capable of being calibrated  
6           in each of the UVA, UVB or UVC light band widths or between 40 to 400 nano meters. The blood  
7           irradiation apparatus 10 is more effective by using a pure ultraviolet light that is calibrated to the  
8           right frequencies needed to modify the viruses and/or bacteria. The timer 22 is beneficial here as it  
9           provides the total time that the ultraviolet light source 57 has been used. This information is useful  
10          as the ultraviolet light source 57 should be calibrated every 1000 hours and replaced every 8000  
11          hours or sooner, if needed. In the preferred embodiment, when the cover 14 is in the open position,  
12          the ultraviolet light source 57 is enabled to be calibrated or replaced as desired. The ultraviolet light  
13          control switch 40 controls the operation of the ultraviolet light source 57 and it is powered from a  
14          power cord 47 which is dependent upon the position of the on/off power switch 36. The on/off power  
15          switch 36 and the power cords 42 and 47 is the means for energizing the fluid or blood irradiation  
16          apparatus 10.